

06/18/04

06-29-2004

PTO-1595

REC

EET U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102778477

To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce
and original documents or copy thereof.

1 Name of conveying party(ies):

Yu-Liang Lin
Chung-Long Chang
Tony Lu
Chun-Hsien Lin
Sunny Wu
Cheng-Lin Huang
Shih-Che Wang

Henry Lo
George Huang
Gnesh Yeh
Mei Sheng Zhou
Ai-Sen Liu
Li-Jui Chen

2 Name and address of receiving party(ies):

Taiwan Semiconductor Manufacturing Co. Ltd.
No. 8, Li-Hsin Rd. 6
Science-Based Industrial Park
Hsin-Chu, Taiwan, R.O.C.

22386 U.S. PTO
10/872238



3 Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:
Execution Date: Jan. 7, 2004

Additional name(s) & address(es) attached ☐ Yes ☒ No

4 Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 01-07-04

A. Patent Application No(s).

10/872238

B. Patent No(s)

Additional numbers attached? ☐ Yes ☒ No

5 Name and address of party to whom correspondence concerning document should be mailed:

RANDY W. TUNG
Tung & Associates
838 W. Long Lake Road
Suite 120
Bloomfield Hills, Michigan 48302

6 Total number of applications and patents involved:

1

7 Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed
☒ Authorized to charge credit card (w/filing fee)

8 Deposit Account Number: 50-0484
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9 Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Randy W. Tung
Name of Person Signing
Registration No. 31,311


Signature

June 18, 2004
Date

Total number of pages including cover sheet, attachments, and document : 3

67,200-916

06/24/2004 EFLDRES 00000067 10872238

04 FC:8021

40.00 DP

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 015501 FRAME: 0248

ASSIGNMENT

WHEREAS, we, YU-LIANG LIN, HENRY LO, CHUNG-LONG CHANG, GORGE HUANG, TONY LU, GNESH YEH, CANDY LIANG, CHUN-HSIEN LIN, MEI SHENG ZHOU, SUNNY WU, AI-SEN LIU, CHENG-LIN HUANG, LI-JUI CHEN, and SHIH-CHE WANG, have invented certain improvements in

MICRO-ETCHING METHOD TO REPLICATE ALIGNMENT

MARKS FOR SEMICONDUCTOR WAFER PHOTOLITHOGRAPHY

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. of No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan, R.O.C, is desirous of acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, YU-LIANG LIN, HENRY LO, CHUNG-LONG CHANG, GORGE HUANG, TONY LU, GNESH YEH, CANDY LIANG, CHUN-HSIEN LIN, MEI SHENG ZHOU, SUNNY WU, AI-SEN LIU, CHENG-LIN HUANG, LI-JUI CHEN, and SHIH-CHE WANG, by these presents, do hereby sell, assign and transfer unto the said corporation and its assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest, including all priority rights under the International Convention associated with each country of the Union, in and to said invention as described in the patent application executed by us on the 7th, 12th, 14th day of Jan., 2004, 23rd day of Feb., 2004, 2nd, 16th day of March, 2004, 14th day of Apr., 2004, preparatory to obtaining Letters Patent of the United States thereon, and in and to said application and any Letters Patent

divisional, continuation or continuation-in-part application thereof, and in and to any reissue of any such patent, and in and to any patent applications which may be filed on said invention in countries foreign to the United States and any Letters Patent granted thereon.

We further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and we further agree to execute all papers, including those required for the United States and foreign applications, and to perform such other proper acts as said corporation or its designees the rights herein assigned.

Yu-Liang Lin
YU-LIANG LIN

Henry Lo
HENRY LO

CHUNG-LONG Chang
CHUNG-LONG CHANG

george huang
GORGE HUANG

TONY LU

Gnesh Yeh
GNESH YEH

Candy Liang
CANDY LIANG

Chun Hsien Lin
CHUN-HSIEN LIN

✓ MEI SHENG ZHOU

Sunny Wu
SUNNY WU

AI-SEN LIU

Cheng-Lin Huang
CHENG-LIN HUANG

LI-JUI CHEN
LI-JUI CHEN

Shih-Che Wang
shih che WANG